at1110paper__practice__test (v113)

1. Expand the following expression into standard form.

$$(8x + 5)(2x - 9)$$

2. Expand the following expression into standard form.

$$(7x + 8)(7x - 8)$$

3. Expand the following expression into standard form.

$$(7x - 5)^2$$

4. Solve the equation with factoring by grouping.

$$18x^2 + 24x - 15x - 20 = 0$$

5. Factor the expression.
$$64x^2 - 49$$

6. Solve the equation.
$$10x^2 - 14 \;=\; 3x^2 - 5x + 4$$

7. Factor the expression.
$$x^2 + 2x - 48$$

8. Solve the equation.
$$(4x - 5)(9x + 8) \;=\; 0$$